

CLAIMS

What is claimed is:

1. A method for providing a communication service, the
5 method comprising:

activating a stationary personal area network (PAN);
in response to a determination that a wireless
mobile PAN has entered a service area of the stationary
PAN, offering a network access provider service for the
10 wireless mobile PAN, wherein the network access provider
service allows the wireless mobile PAN to connect to a
global communication network via the stationary PAN; and
in response to a user input indicative of acceptance
of the offered network access provider service,
monitoring a session for the wireless mobile PAN on the
15 network access provider service.

2. The method of claim 1 further comprising:

generating a financial transaction to charge fees to
a user of the wireless mobile PAN for use of the network
access provider service during the monitored session.
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3. The method of claim 1 further comprising:

creating a secure communication channel between the
25 wireless mobile PAN and a remote PAN via the global
communication network.

4. The method of claim 3 further comprising:

receiving from a user of the wireless mobile PAN an
30 indication of an address or resource identifier for the
remote PAN.

5. The method of claim 4 wherein the remote PAN is a wireless mobile PAN.

5 6. The method of claim 4 further comprising:
sharing data between the wireless mobile PAN and the remote PAN through a peer-to-peer application.

10 7. The method of claim 1 further comprising:
detecting the wireless mobile PAN by the stationary PAN, wherein the stationary PAN comprises a master device; and

15 establishing a wireless communication link between the wireless mobile PAN and the master device of the stationary PAN such that the wireless mobile PAN joins a piconet or scatternet supported by the master device of the stationary PAN.

20 8. The method of claim 1 further comprising:
presenting for discovery by the wireless mobile PAN a set of one or more services supported by the stationary PAN, wherein the network access provider service is one of the services supported by the stationary PAN; and
starting a session with the network access provider service.

25 9. The method of claim 8 further comprising:
registering a user of the wireless mobile PAN as a user of the network access provider service.

10. The method of claim 9 further comprising:

receiving financial identification information from the user of the wireless mobile PAN for payment for use of the stationary PAN.

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11. The method of claim 8 further comprising:

presenting use of a peripheral device connected to the stationary PAN as a service in the set of one or more services supported by the stationary PAN; and

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charging a usage fee to the user of the wireless mobile PAN in response to use of the peripheral device.

15 12. The method of claim 1 further comprising:

generating a financial transaction to share fees received from use of the network access provider service with an operator of a service that supports the network access provider service.

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13. A computer program product in a computer readable medium for use in a data processing system for providing a communication service, the computer program product comprising:

5 instructions for activating a stationary personal area network (PAN);

10 instructions for offering a network access provider service for a wireless mobile PAN in response to a determination that the wireless mobile PAN has entered a service area of the stationary PAN, wherein the network access provider service allows the wireless mobile PAN to connect to a global communication network via the stationary PAN; and

15 instructions for monitoring a session for the wireless mobile PAN on the network access provider service in response to a user input indicative of acceptance of the offered network access provider service.

20 14. The computer program product of claim 13 further comprising:

25 instructions for generating a financial transaction to charge fees to a user of the wireless mobile PAN for use of the network access provider service during the monitored session.

15. The computer program product of claim 13 further comprising:

30 instructions for creating a secure communication channel between the wireless mobile PAN and a remote PAN via the global communication network.

16. The computer program product of claim 15 further comprising:

5 instructions for receiving from a user of the wireless mobile PAN an indication of an address or resource identifier for the remote PAN.

17. The computer program product of claim 16 wherein the remote PAN is a wireless mobile PAN.

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18. The computer program product of claim 16 further comprising:

15 instructions for sharing data between the wireless mobile PAN and the remote PAN through a peer-to-peer application.

19. The computer program product of claim 13 further comprising:

20 instructions for detecting the wireless mobile PAN by the stationary PAN, wherein the stationary PAN comprises a master device; and

25 instructions for establishing a wireless communication link between the wireless mobile PAN and the master device of the stationary PAN such that the wireless mobile PAN joins a piconet or scatternet supported by the master device of the stationary PAN.

20. The computer program product of claim 13 further comprising:

instructions for presenting for discovery by the wireless mobile PAN a set of one or more services supported by the stationary PAN, wherein the network access provider service is one of the services supported by the stationary PAN; and

instructions for starting a session with the network access provider service.

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21. The computer program product of claim 20 further comprising:

instructions for registering a user of the wireless mobile PAN as a user of the network access provider service.

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22. The computer program product of claim 21 further comprising:

instructions for receiving financial identification information from the user of the wireless mobile PAN for payment for use of the stationary PAN.

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23. The computer program product of claim 20 further comprising:

instructions for presenting use of a peripheral device connected to the stationary PAN as a service in the set of one or more services supported by the stationary PAN; and

instructions for charging a usage fee to the user of the wireless mobile PAN in response to use of the peripheral device.

24. The computer program product of claim 13 further comprising:

5 instructions for generating a financial transaction to share fees received from use of the network access provider service with an operator of a service that supports the network access provider service.

25. An apparatus for providing a communication service, the apparatus comprising:

means for activating a stationary personal area network (PAN);

5 means for offering a network access provider service for a wireless mobile PAN in response to a determination that the wireless mobile PAN has entered a service area of the stationary PAN, wherein the network access provider service allows the wireless mobile PAN to 10 connect to a global communication network via the stationary PAN; and

15 means for monitoring a session for the wireless mobile PAN on the network access provider service in response to a user input indicative of acceptance of the offered network access provider service.

26. The apparatus of claim 25 further comprising:

means for generating a financial transaction to charge fees to a user of the wireless mobile PAN for use of the network access provider service during the monitored session.

27. The apparatus of claim 25 further comprising:

25 means for creating a secure communication channel between the wireless mobile PAN and a remote PAN via the global communication network.

28. The apparatus of claim 25 further comprising:

means for presenting for discovery by the wireless mobile PAN a set of one or more services supported by the stationary PAN, wherein the network access provider service is one of the services supported by the stationary PAN; and

means for starting a session with the network access provider service.